

**Amendment to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (Currently Amended) A method of transmitting interactive television, whereby at least an interactive television application is transmitted inside application-modules in a broadcast stream that includes television content, wherein said method facilitates recording of said broadcast stream at a receiver, said method comprising the step of:

including storage related information for each of said application-modules of the interactive application in said broadcast stream; and

transmitting said broadcast stream including said application-modules and said storage related information, wherein said storage related information categorizes each said application-module alternatively as (i) mandatory for recording, (ii) optional for recording or (iii) forbidden for recording at the receiver, wherein the mandatory application-modules contain files that are critical for running the corresponding interactive application from storage, and wherein the optional application-modules comprise non-mandatory application-modules which contain files that (a) offer the corresponding interactive application extra features ~~or~~ and (b) contain configuration information of the corresponding interactive application that always must be downloaded from a live broadcast.

2. (Previously Presented) The method as claimed in claim 1, wherein said interactive television application is transmitted as at least one application object inside DSMCC-modules in said broadcast stream.

3. (Previously Presented) The method as claimed in claim 2, wherein said at least one application object comprises at least one application file object and at least one application directory object, said application file object comprising at least one

application file and said at least one application directory object comprising storage directory information on respective application file.

4. (Previously Presented) The method as claimed in claim 1, wherein said storage related information further comprises:

module identification information.

5. (Previously Presented) The method as claimed in claim 4, wherein the step of including storage related information comprises:

including said storage related information in an Application Information Table (AIT) and/or in a Download Information Indication message.

6. (Previously Presented) The method as claimed in claim 4, wherein said module identification information is defined and included in an Application Information Table (AIT) and consists of an application identifier having two fields, the first field being an organisation\_id and the second field being an application\_id, wherein said organization\_id and said application\_id values are used to identify identical applications in different broadcasts so that, with respect to recording of said broadcast stream at the receiver, any given application is stored only once on a specific storage medium.

7. (Canceled)

8. (Currently Amended) The method as claimed in claim 9, wherein a Digital Storage Media Command and Control generator generates groups of application-modules with similar storage related information via use of the application-module property flags in an object carousel for broadcasting, wherein fixed files are grouped together, and wherein code files are grouped together, and data files are ~~respectively~~ grouped together, and

the grouped together code files and the grouped together data files are stored separately in respective separate modules.

9. (Previously Presented) The method as claimed in claim 1, wherein said storage related information further comprises properties of an application-module chosen from

- a) Code and/or Data and/or
- b) Fixed or Variable,

wherein each application-module property is flagged via a corresponding flag as one selected from the group consisting of

- a): a<sub>1</sub>) code, a<sub>2</sub>) data, and a<sub>3</sub>) both code and data, and
- b): b<sub>1</sub>) fixed and b<sub>2</sub>) variable.

10. (Currently Amended) A method of receiving an interactive television broadcast stream for recording, whereby at least an interactive television application is comprised in the broadcast stream inside application-modules, said method comprising the steps of:

extracting storage related information for each of said application-modules of the interactive application from said broadcast stream; and

recording application-modules which are mandatory for recording, based on said storage related information, wherein said storage related information categorizes each said application-module alternatively as (i) mandatory for recording, (ii) optional for recording or (iii) forbidden for recording at a receiver, wherein the mandatory application-modules contain files that are critical for running the corresponding interactive application from storage, and wherein the optional application-modules comprise non-mandatory application-modules which contain files that (a) offer the corresponding interactive application extra features ~~or~~ and (b) contain configuration information of the corresponding interactive application that always must be downloaded from a live broadcast.

11. (Previously Presented) The method as claimed in claim 10, wherein said method further comprises the step of:

recording application-modules which are optional for recording, based on said storage related information.

12. (Previously Presented) The method as claimed in claim 10, wherein said method further comprises the steps of:

identifying identical application-modules in different broadcasts, and storing only one copy of identical application-modules on a specific storage medium.

13. (Previously Presented) The method as claimed in claim 10, whereby said interactive television is MHP, OpenTV or DASE.

14. (Currently Amended) An apparatus for recording and/or playing back interactive television, said apparatus being adapted to record and/or playback an interactive television broadcast stream to and from a storage medium, said apparatus being adapted to receive said interactive television broadcast stream, said broadcast stream including television content, an interactive television application contained in modules, and storage related information for each of said modules, said apparatus comprising:

means for extracting said storage related information of said modules of the interactive application from said broadcast stream; and

means for recording said modules in dependence on said storage related information, wherein said storage related information categorizes each said module alternatively as (i) mandatory for recording, (ii) optional for recording or (iii) forbidden for recording at a receiver, wherein the mandatory modules contain files that are critical for running the corresponding interactive application from storage, and wherein the optional modules comprise non-mandatory application-modules which contain files that (a) offer

the corresponding interactive application extras features ~~or~~ and (b) contain configuration information of the corresponding interactive application that always must be downloaded from a live broadcast, and said means for recording being adapted to record only modules for which said storage related information allows recording.

15. (Previously Presented) The apparatus as claimed in claim 14, wherein said storage related information comprises module identification information for modules, and wherein said apparatus further comprises:

means for preventing recording of more than one application module in different broadcasts with identical module identification information on a storage medium in said apparatus.

16. (Currently Amended) A computer-readable medium having embodied thereon a computer program for processing by a computer, said computer program causing said computer to prepare and transmit an interactive television broadcast stream facilitating recording by a receiver, the computer program comprising:

a code segment for causing the computer to include application modules and storage related information for each of the application modules in an interactive television broadcast stream, at least an interactive television application being included inside said application modules, and

a code segment for causing the computer to transmit the interactive television broadcast stream, wherein said storage related information categorizes each said application module alternatively as (i) mandatory for recording, (ii) optional for recording or (iii) forbidden for recording, wherein the mandatory application modules contain files that are critical for running the corresponding interactive application from storage, and wherein the optional application modules comprise non-mandatory application modules which contain files that (a) offer the corresponding interactive application extra features

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| ~~or~~ and (b) contain configuration information of the corresponding interactive application that always must be downloaded from a live broadcast.

17-20. (Canceled)